

Converting Colors

XYZ(23.8682, 27.6218, 21.3130)

Have a look what the booklet for
XYZ(23.8682, 27.6218, 21.3130)
contains.

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Color

**XYZ(23.8516, 27.6387,
21.2172)**

Conversions

Conversions Part 1

Format	Color
Hex	879476
RGB	135, 148, 118
RGB Percent	53%, 58%, 46%
CMY	0.4706, 0.4196, 0.5373
CMYK	0.09, 0.00, 0.20, 0.42
HSL	86°, 12%, 52%
HSV	86°, 20%, 58%
XYZ	23.8516, 27.6387, 21.2172
YIQ	140.6930, 1.8820, -12.0860

Conversions

Conversions Part 2

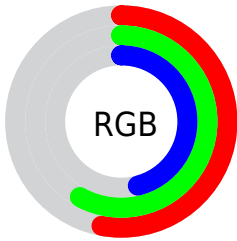
Format	Color
R_{YB}	118, 148, 131
Decimal	8885366
CIE _{Lab}	59.56, -10.32, 14.33
CIE _{LCh}	60, 17.655, 125.758
Yxy	27.6387, 0.3280, 0.3801
Android (android.graphics.Color)	4287075446 (0xFF879476)
YUV	140.6930, -11.1876, -4.9928
Hunter-Lab	52.5725, -11.0183, 12.8725

Details

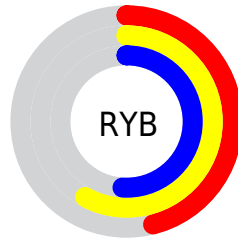
The XYZ color **23.8516, 27.6387, 21.2172** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.1848, 19.9210, 30.7470**, and the grayscale version is **25.2397, 26.5542, 28.9175**.

A 20% lighter version of the original color is **49.1153, 55.8347, 46.2187**, and **9.1265, 10.9229, 7.4217** is the 20% darker color. If you saturate the color by 10%, you get **22.0393, 26.7990, 16.8960**, and if you desaturate by 10%, it is **25.8656, 28.5681, 26.2694**.

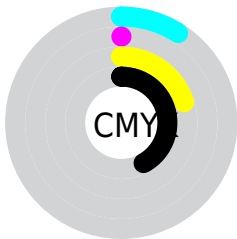
Distribution



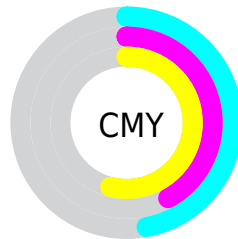
- Red (53%)
- Green (58%)
- Blue (46%)



- Red (46%)
- Yellow (58%)
- Blue (51%)



- Cyan (9%)
- Magenta (0%)
- Yellow (20%)
- Black (42%)



- Cyan (47%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8516, 27.6387, 21.2172 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 23.8516, 27.6387, 21.2172 by changing the saturation by 10% instead.

■ 23.8516, 27.6387,
21.2172

■ 23.8516, 27.6387,
21.2172

264.5238,
290.7364, 271.2494

■ 15.3477, 18.0535,
13.0901

■ 49.2444, 55.9071,
46.3342

■ 9.1517, 10.9884,
7.3591

■ 66.8640, 75.3591,
64.1612

■ 4.8982, 6.0590,
3.6059

■ 88.2528, 98.8687,
86.0585

■ 2.2218, 2.8810,
1.4117

113.7763,
126.8205, 112.4447

■ 0.7542, 1.0699,
0.1508

143.7998,
159.5987, 143.7384

■ 0.0000, 0.0000,
0.0000

178.6886,

197.5879, 180.3580

218.8082,
241.1723, 222.7222

■ 23.8516, 27.6387,
21.2172

■ 23.8516, 27.6387,
21.2172

■ 22.0393, 26.7990,
16.8960

■ 25.8656, 28.5681,
26.2694

■ 20.4190, 26.0423,
13.2702

■ 28.0862, 29.5865,
32.0825

■ 18.9833, 25.3664,
10.3038

■ 30.5208, 30.6979,
38.6869

■ 17.7237, 24.7676,
7.9570

■ 33.1756, 31.9049,
46.1107

■ 16.6304, 24.2421,
6.1855

■ 36.0569, 33.2102,
54.3807

■ 15.6929, 23.7854,
4.9393

■ 39.1704, 34.6161,
63.5226

■ 14.8986, 23.3924,
4.1597

■ 42.5216, 36.1251,
73.5608

■ 14.2341, 23.0593,
3.7007

■ 46.1161, 37.7392,
84.5188

■ 49.9589, 39.4609,
96.4194

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.8435, 27.6387, 19.4884



23.8516, 27.6387, 21.2172



22.5638, 27.6387, 25.3446

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.8516, 27.6387, 21.2172



24.5544, 27.6387, 42.6850



30.7536, 27.6387, 28.8831

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.8516, 27.6387, 21.2172



21.1848, 19.9210, 30.7470

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.3608, 27.6387, 35.4021



23.8516, 27.6387, 21.2172



26.7007, 27.6387, 43.9820

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.8516, 27.6387, 21.2172



22.9533, 27.6387, 37.8245



28.8461, 27.6387, 41.1542



29.8912, 27.6387, 23.4956

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.8516, 27.6387, 21.2172



22.2356, 27.6387, 29.1978



28.8461, 27.6387, 41.1542



30.7645, 27.6387, 31.0080

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.8523, 27.6399, 21.2178



47.2177, 51.1307, 50.4405



23.6001, 23.8375, 20.4971



10.7279, 11.6487, 11.3820



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.8523, 27.6399, 21.2178



40.6958, 48.1240, 34.0737



21.6065, 26.4821, 21.1127



6.0251, 6.6208, 6.2008



12.1892, 19.7116, 3.1623



0.1831, 0.2587, 0.0403

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.1848, 19.9210, 30.7470



35.1781, 32.1559, 53.7872



23.6788, 21.2067, 30.8637



5.7236, 5.7485, 7.2776



6.4099, 2.7770, 24.1292



0.1112, 0.0509, 0.2969

Previews

White Background



This preview shows how the XYZ color 23.8516, 27.6387, 21.2172 looks on a white background.

Color Contrast Check

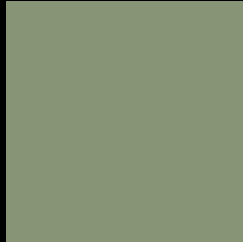
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.8516, 27.6387, 21.2172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

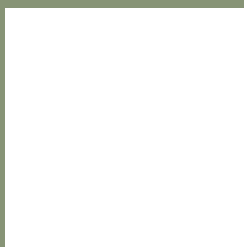
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8516, 27.6387, 21.2172

Background



This preview shows how black text looks on a background with the XYZ color 23.8516, 27.6387, 21.2172.



This preview shows how white text looks on a background with the XYZ color 23.8516, 27.6387,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.8516, 27.6387, 21.2172

Protanopia

25.9237, 27.5813, 20.4804

Deuteranopia

27.9957, 27.5324, 21.6080



Tritanopia

26.4704, 27.5535, 34.4951

Trichromacy



Original Color

23.8516, 27.6387, 21.2172

Protanomaly

25.1903, 27.6461, 20.8382

Deuteranomaly

26.3292, 27.5479, 21.3823

Tritanomaly

25.4143, 27.5772, 29.1827

Monochromacy



Original Color

23.8516, 27.6387, 21.2172

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.8544, 27.1289, 26.1167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8516, 27.6387, 21.2172 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(135, 148, 118)` looks like.

```
.text, #text, p{  
    color:rgb(135, 148, 118)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(135, 148, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 148, 118) }
```

Border

The CSS property to change the border of an element to XYZ 23.8516, 27.6387, 21.2172 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 148, 118) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(135, 148, 118) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(135, 148, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 148, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 148, 118); box-shadow:4px 4px 4px 4px rgb(135, 148, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8516, 27.6387, 21.2172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 148, 118) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(135,  
148, 118) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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